UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,999,521 B1
APPLICATION NO. : 09/471920
DATED   : February 14, 2006
INVENTOR(S)   : Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 30, replace "$\alpha_n(\rho_n) = (\alpha_{n-L}(\rho_n),.., \alpha_{n-1}(\rho_n))$" with

-- $\hat{\alpha}_n(\rho_n) = (\hat{a}_{n-L}(\rho_n),.., \hat{a}_{n-1}(\rho_n))$ --.

Column 7, line 36, replace "$\alpha = (\alpha_{n-L},..,\alpha_{n-1})$" with -- $\tilde{\alpha} = (\tilde{a}_{n-L},..,\tilde{a}_{n-1})$ --.

Column 7, line 50, replace "$\lambda_n(z_n,\alpha_n,\alpha) = (z_n - \alpha_n + \tilde{u}(\alpha))^2$ " with
-- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha}) = (z_n - a_n + \tilde{u}(\tilde{\alpha}))^2$ --.

Column 7, line 55, replace "$\lambda_n(z_n,\alpha_n,\alpha)$" with -- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha})$ --.

Column 7, line 64, replace "$\lambda_n(z_n,\alpha_n,\alpha)$" with -- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha})$ --.

Column 7, line 65, replace "$\alpha_n(\rho_n)$" with -- $\hat{\alpha}_n(\rho_n)$ --.

Column 7, line 67, replace "$\lambda_n(z_n,\alpha_n,\rho_n) = sel\{\Lambda_n(z_n,a_n,\rho_n),\alpha_n(\rho_n)\}$ "
with -- $\lambda_n(z_n,a_n,\rho_n) = sel\{\Lambda_n(z_n,a_n,\rho_n),\hat{a}_n(\rho_n)\}$ --.

Column 8, line 2, replace "$\lambda_n(z_n,\alpha_n,\alpha)$" with -- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha})$ --.

Column 8, line 17, replace " $\tilde{u}(\alpha)$ " with -- $\tilde{u}(\tilde{\alpha})$ --.

Column 8, line 20, replace "$\lambda_n(z_n,\alpha_n,\alpha)$" with -- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha})$ --.

Column 9, line 19, replace " $\lambda_{n,J}(z_{n,J},a_{n,J},\alpha_J) = (z_{n,J} - a_{n,J} + \tilde{u}_J(\alpha_J))^2$ "
with -- $\tilde{\lambda}_{n,J}(z_{n,J},a_{n,J},\tilde{\alpha}_J) = (z_{n,J} - a_{n,J} + \tilde{u}_J(\tilde{\alpha}_J))^2$ --. --.

Column 9, line 28, replace "$\alpha_j = (\alpha_{n-L,j}..,\alpha_{n-1,j})$" with -- $\tilde{\alpha}_J = (\tilde{a}_{n-L,J},..,\tilde{a}_{n-1,J})$ --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, line 31, replace "α_j" with -- $\tilde{\alpha}_j$ --.

Column 9, line 33, replace "$\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j)$" with -- $\tilde{\lambda}_{n,j}\left(z_{n,j}, a_{n,j}, \tilde{\alpha}_j\right)$ --.

Column 9, line 54, replace "$\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \rho_n) = sel\left\{\Lambda_{n,j}\left(z_{n,j}, a_{n,j}\right) \alpha_{n,j}\left(\rho_n\right)\right\}$" with -- $\lambda_{n,j}\left(z_{n,j}, a_{n,j}, \rho_n\right) = sel\left\{\Lambda_{n,j}\left(z_{n,j}, a_{n,j}\right) \hat{a}_{n,j}\left(\rho_n\right)\right\}$ --.

Column 9, line 57, replace "$\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j)$" with -- $\tilde{\lambda}_{n,j}\left(z_{n,j}, a_{n,j}, \tilde{\alpha}_j\right)$ --.

Column 9, line 58, replace "α_j" with -- $\tilde{\alpha}_j$ --.

Column 9, line 59, replace "$\alpha_{n,j}(\rho_n)$" with -- $\hat{a}_{n,j}\left(\rho_n\right)$ --.

Column 11, line 25, replace "$\alpha_{n-1,j}$" with -- $\tilde{a}_{n-1,j}$ --.

Column 11, line 27, replace "$\lambda_{n,j}(y_{n,j}, \alpha_{n,j}, \alpha_{n-1,j}) = (y_{n,j} - \alpha_{n,j} - f_{1,j}\alpha_{n-1,j})^2$" with -- $\tilde{\lambda}_{n,j}\left(y_{n,j}, a_{n,j}, \tilde{a}_{n-1,j}\right) = \left(y_{n,j} - a_{n,j} - f_{1,j}\tilde{a}_{n-1,j}\right)^2$ --.

Column 11, line 46, replace "$\alpha_{n-i,j}(\rho_n)$" with -- $\hat{a}_{n-i,j}\left(\rho_n\right)$ --.

Column 13, line 4, replace "$\lambda_n(z_n, \alpha_n, \alpha) = \left(z_n - a_n + \tilde{u}(\alpha)\right)^2$" with -- $\tilde{\lambda}_n\left(z_n, a_n, \tilde{\alpha}\right) = \left(z_n - a_n + \tilde{u}(\tilde{\alpha})\right)^2$

Column 13, line 16, replace "$\alpha = (\alpha_{n-L}, ..., \alpha_{n-1})$" with -- $\tilde{\alpha} = \left(\tilde{a}_{n-L}, ..., \tilde{a}_{n-1}\right)$ --.

Column 13, line 25, replace "$\lambda_n(z_n, \alpha_n, \alpha)$ using the survivor path $\alpha_n(\rho_n)$" with -- $\tilde{\lambda}_n\left(z_n, a_n, \tilde{\alpha}\right)$ using the survivor path $\hat{a}_n(\rho_n)$ --.

PATENT NO. : 6,999,521 B1
APPLICATION NO. : 09/471920
DATED   : February 14, 2006
INVENTOR(S) : Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, line 27, replace "$\lambda_n(z_n,\alpha_n,\rho_n) = sel\{\Lambda_n(z_n,a_n,\rho_n)\alpha_n(\rho_n)\}$" " with

-- $\tilde{\lambda}_n(z_n,a_n,\rho_n) = sel\{\Lambda_n(z_n,a_n,\rho_n)\hat{a}_n(\rho_n)\}$ --.

Column 13, line 30, replace "$\lambda_n(z_n,\alpha_n,\alpha)$" with -- $\tilde{\lambda}_n(z_n,a_n,\tilde{\alpha})$ --.

Column 13, line 32 "α and wherein $\alpha_n(\rho_n)$" with -- $\tilde{\alpha}$ and wherein $\hat{a}_n(\rho_n)$ --.

Column 13, line 60, before "from one" and after "branch" replace "metric" with -- metrics --.

Column 14, line 1, replace "$\lambda_{n,j}(z_{n,j},\alpha_{n,j},\alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$" with

-- $\tilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

Column 14, line 10, replace "$\alpha_j = (\alpha_{n-L,j},..,\alpha_{n-1,j})$" with -- $\tilde{\alpha}_j = (\tilde{a}_{n-L,j},...,\tilde{a}_{n-1,j})$ --.

Column 14, line 18, replace "$\lambda_{n,j}(z_{n,j},\alpha_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j})\alpha_{n,j}(\rho_n)\}$" with

-- $\lambda_{n,j}(z_{n,j},a_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j})\hat{a}_{n,j}(\rho_n)\}$ --.

Column 14, line 20, replace "$\lambda_{n,j}(z_{n,j},\alpha_{n,j},\alpha_j)$" with -- $\tilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\tilde{\alpha}_j)$ --.

Column 14, line 22, replace "α_j and $\alpha_{n,j}(\rho_n)$" with -- $\tilde{\alpha}_j$ and $\hat{a}_{n,j}(\rho_n)$ --.

Column 14, line 42, replace "$\lambda_{n,j}(z_{n,j},\alpha_{n,j},\alpha_j) = (z_{n,j}. - a_{n,j} + \tilde{u}_j(\alpha_j))^2$" with

-- $\tilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,999,521 B1

APPLICATION NO. : 09/471920
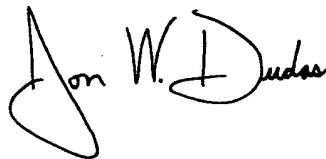DATED : February 14, 2006
INVENTOR(S) : Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14, line 50, replace "$\alpha_j = (\alpha_{n-L,j}.., \alpha_{n-1,j})$" with -- $\tilde{\alpha}_j = (\tilde{a}_{n-L,j},..,\tilde{a}_{n-1,j})$ --.

Signed and Sealed this

Twenty-eighth Day of November, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office